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## APPARATUS, METHOD, AND SYSTEM FOR DRAFTING MULTI-DIMENSIONAL DRAWINGS

## ABSTRACT OF THE DISCLOSURE

According to one embodiment of the invention, a method for interfacing with a surface within a computeraided drawing environment includes determining that a plurality of curves operable to define the surface constitute a P x 1 surface condition. A P x 1 surface condition is defined by a number of first curves equal to P and only one second curve. P is an integer greater than zero. The method also includes converting the P  $\times$  1 surface condition into an N x M surface condition in response to determining that a plurality of curves constitute a P x 1 surface condition. An N x M surface condition is defined by a number of third curves equal to N and a number of fourth curves equal to M. N and M are integers greater than one. The method also includes constructing an N x M surface under the N x M surface condition. The method also includes modifying the N  $\times$  M surface to edit a drawing.